

ABSTRACT OF THE DISCLOSURE

A fire retardant composition and a method of producing thereof, the composition including water, a highly concentrated alkali, at least one of or a combination thereof, of anhydrous citric acid, citric acid, acetic acid or a related salt thereto, a phosphate as well as an alkali metal salt or compound from at least one of lithium, sodium and/or potassium cation in combination with at least one of an acetate, bicarbonate, carbonate and/or hydroxide anion. The composition is then adjusted to a pH value about .5 to 7.5 by adjusting the amounts of highly concentrated alkali and/or the citric acid/acetic acid respectively.